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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Megan Meckley
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28550 Cabot Drive
Suite 500
Novi, Michigan 48377

Generated 11/26/2024 6:38:07 AM

JOB DESCRIPTION

Ford LTP

JOB NUMBER

240-215217-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Table of Contents

Client: Arcadis US Inc.
Job ID: 240-215217-1
Project/Site: Ford LTP

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-215217-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/19/2024 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 2.7°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636467 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636478 was outside the method criteria for the following analyte(s): Trichloroethene and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8260D SIM	Volatile Organic Compounds (GC/MS)	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215217-1	TRIP BLANK_108	Water	11/15/24 00:00	11/19/24 10:30
240-215217-2	MW-58_111524	Water	11/15/24 09:00	11/19/24 10:30
240-215217-3	MW-46_111524	Water	11/15/24 10:40	11/19/24 10:30
240-215217-4	MW-70_111524	Water	11/15/24 11:55	11/19/24 10:30
240-215217-5	MW-45_111524	Water	11/15/24 13:10	11/19/24 10:30

Detection Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: TRIP BLANK_108 — Lab Sample ID: 240-215217-1

No Detections.

Client Sample ID: MW-58_111524 — Lab Sample ID: 240-215217-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.3		2.0	0.86	ug/L	1		8260D SIM	Total/NA

Client Sample ID: MW-46_111524 — Lab Sample ID: 240-215217-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6.2		2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	28		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-70_111524 — Lab Sample ID: 240-215217-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6.5		2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	190		10	4.6	ug/L	10		8260D	Total/NA
Vinyl chloride	610		10	4.5	ug/L	10		8260D	Total/NA

Client Sample ID: MW-45_111524 — Lab Sample ID: 240-215217-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15		1.0	0.46	ug/L	1		8260D	Total/NA
Vinyl chloride	54		1.0	0.45	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: TRIP BLANK_108
Date Collected: 11/15/24 00:00
Date Received: 11/19/24 10:30

Lab Sample ID: 240-215217-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/23/24 17:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/23/24 17:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/23/24 17:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/23/24 17:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/23/24 17:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/23/24 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*11/23/24 17:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*11/23/24 17:14*	*1*
Toluene-d8 (Surr)	*106*		*78 - 122*		*11/23/24 17:14*	*1*
Dibromofluoromethane (Surr)	*86*		*73 - 120*		*11/23/24 17:14*	*1*

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: MW-58_111524
Date Collected: 11/15/24 09:00
Date Received: 11/19/24 10:30

Lab Sample ID: 240-215217-2
Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	3.3		2.0	0.86	ug/L			11/22/24 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 127*		*11/22/24 20:23*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/24/24 09:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/24/24 09:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/24/24 09:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/24/24 09:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/24/24 09:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/24/24 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*11/24/24 09:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*11/24/24 09:07*	*1*
Toluene-d8 (Surr)	*106*		*78 - 122*		*11/24/24 09:07*	*1*
Dibromofluoromethane (Surr)	*85*		*73 - 120*		*11/24/24 09:07*	*1*

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: MW-46_111524

Date Collected: 11/15/24 10:40
Date Received: 11/19/24 10:30

Lab Sample ID: 240-215217-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**6.2**		2.0	0.86	ug/L			11/23/24 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 127*		*11/23/24 00:42*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/25/24 12:53	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.46	ug/L			11/25/24 12:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 12:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/25/24 12:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 12:53	1
Vinyl chloride	**28**		1.0	0.45	ug/L			11/25/24 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*11/25/24 12:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*11/25/24 12:53*	*1*
Toluene-d8 (Surr)	*106*		*78 - 122*		*11/25/24 12:53*	*1*
Dibromofluoromethane (Surr)	*87*		*73 - 120*		*11/25/24 12:53*	*1*

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: MW-70_111524

Date Collected: 11/15/24 11:55
Date Received: 11/19/24 10:30

Lab Sample ID: 240-215217-4

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**6.5**		2.0	0.86	ug/L			11/23/24 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 127*		*11/23/24 01:05*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	10	U	10	4.9	ug/L			11/25/24 13:19	10
cis-1,2-Dichloroethene	**190**		10	4.6	ug/L			11/25/24 13:19	10
Tetrachloroethene	10	U	10	4.4	ug/L			11/25/24 13:19	10
trans-1,2-Dichloroethene	10	U	10	5.1	ug/L			11/25/24 13:19	10
Trichloroethene	10	U	10	4.4	ug/L			11/25/24 13:19	10
Vinyl chloride	**610**		10	4.5	ug/L			11/25/24 13:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*11/25/24 13:19*	*10*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*11/25/24 13:19*	*10*
Toluene-d8 (Surr)	*104*		*78 - 122*		*11/25/24 13:19*	*10*
Dibromofluoromethane (Surr)	*84*		*73 - 120*		*11/25/24 13:19*	*10*

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: MW-45_111524

Date Collected: 11/15/24 13:10
Date Received: 11/19/24 10:30

Lab Sample ID: 240-215217-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/23/24 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 127*		*11/23/24 01:29*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/25/24 13:44	1
cis-1,2-Dichloroethene	**15**		1.0	0.46	ug/L			11/25/24 13:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 13:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/25/24 13:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 13:44	1
Vinyl chloride	**54**		1.0	0.45	ug/L			11/25/24 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*11/25/24 13:44*	*1*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*11/25/24 13:44*	*1*
Toluene-d8 (Surr)	*108*		*78 - 122*		*11/25/24 13:44*	*1*
Dibromofluoromethane (Surr)	*87*		*73 - 120*		*11/25/24 13:44*	*1*

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(62-137)	(56-136)	(78-122)	(73-120)
240-215055-A-9 MS	Matrix Spike	95	100	106	81
240-215055-C-9 MSD	Matrix Spike Duplicate	97	105	107	86
240-215158-B-1 MS	Matrix Spike	94	104	108	82
240-215158-B-1 MSD	Matrix Spike Duplicate	95	102	108	85
240-215158-B-6 MS	Matrix Spike	98	108	109	86
240-215158-B-6 MSD	Matrix Spike Duplicate	96	106	105	83
240-215217-1	TRIP BLANK_108	96	95	106	86
240-215217-2	MW-58_111524	99	100	106	85
240-215217-3	MW-46_111524	100	97	106	87
240-215217-4	MW-70_111524	98	97	104	84
240-215217-5	MW-45_111524	101	103	108	87
LCS 240-636467/5	Lab Control Sample	95	105	110	86
LCS 240-636478/3	Lab Control Sample	95	108	110	84
LCS 240-636546/5	Lab Control Sample	94	107	105	82
MB 240-636467/9	Method Blank	98	98	107	87
MB 240-636478/7	Method Blank	98	98	107	86
MB 240-636546/9	Method Blank	99	96	106	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		DCA
Lab Sample ID	Client Sample ID	(68-127)
240-215140-E-9 MS	Matrix Spike	109
240-215140-E-9 MSD	Matrix Spike Duplicate	105
240-215217-2	MW-58_111524	104
240-215217-3	MW-46_111524	105
240-215217-4	MW-70_111524	108
240-215217-5	MW-45_111524	101
240-215286-C-2 MS	Matrix Spike	95
240-215286-C-2 MSD	Matrix Spike Duplicate	100
LCS 240-636372/6	Lab Control Sample	104
LCS 240-636431/4	Lab Control Sample	100
MB 240-636372/8	Method Blank	103
MB 240-636431/6	Method Blank	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636467/9
Matrix: Water
Analysis Batch: 636467

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/23/24 14:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/23/24 14:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/23/24 14:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/23/24 14:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/23/24 14:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/23/24 14:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*11/23/24 14:14*	*1*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*11/23/24 14:14*	*1*
Toluene-d8 (Surr)	*107*		*78 - 122*		*11/23/24 14:14*	*1*
Dibromofluoromethane (Surr)	*87*		*73 - 120*		*11/23/24 14:14*	*1*

Lab Sample ID: LCS 240-636467/5
Matrix: Water
Analysis Batch: 636467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			20.0	19.9		ug/L		99	63 - 134		
cis-1,2-Dichloroethene			20.0	17.6		ug/L		88	77 - 123		
Tetrachloroethene			20.0	22.5		ug/L		112	76 - 123		
trans-1,2-Dichloroethene			20.0	18.9		ug/L		95	75 - 124		
Trichloroethene			20.0	15.5		ug/L		78	70 - 122		
Vinyl chloride			20.0	14.6		ug/L		73	60 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*
Toluene-d8 (Surr)	*110*		*78 - 122*
Dibromofluoromethane (Surr)	*86*		*73 - 120*

Lab Sample ID: 240-215158-B-1 MS
Matrix: Water
Analysis Batch: 636467

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichloroethene	1.0	U	20.0	15.1		ug/L		76	61 - 124		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*
4-Bromofluorobenzene (Surr)	*104*		*56 - 136*
Toluene-d8 (Surr)	*108*		*78 - 122*
Dibromofluoromethane (Surr)	*82*		*73 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215158-B-1 MSD
Matrix: Water
Analysis Batch: 636467

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichloroethene	1.0	U	20.0	15.6		ug/L		78	61 - 124	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*
Toluene-d8 (Surr)	*108*		*78 - 122*
Dibromofluoromethane (Surr)	*85*		*73 - 120*

Lab Sample ID: MB 240-636478/7
Matrix: Water
Analysis Batch: 636478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/24/24 03:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/24/24 03:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/24/24 03:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/24/24 03:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/24/24 03:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/24/24 03:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*11/24/24 03:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*11/24/24 03:05*	*1*
Toluene-d8 (Surr)	*107*		*78 - 122*		*11/24/24 03:05*	*1*
Dibromofluoromethane (Surr)	*86*		*73 - 120*		*11/24/24 03:05*	*1*

Lab Sample ID: LCS 240-636478/3
Matrix: Water
Analysis Batch: 636478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.0	18.9		ug/L		94	63 - 134
cis-1,2-Dichloroethene	20.0	17.2		ug/L		86	77 - 123
Tetrachloroethene	20.0	20.1		ug/L		101	76 - 123
trans-1,2-Dichloroethene	20.0	18.1		ug/L		91	75 - 124
Trichloroethene	20.0	14.9		ug/L		75	70 - 122
Vinyl chloride	20.0	14.9		ug/L		74	60 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*
4-Bromofluorobenzene (Surr)	*108*		*56 - 136*
Toluene-d8 (Surr)	*110*		*78 - 122*
Dibromofluoromethane (Surr)	*84*		*73 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215158-B-6 MS
Matrix: Water
Analysis Batch: 636478

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	1.0	U	20.0	14.3		ug/L		72	61 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*
4-Bromofluorobenzene (Surr)	*108*		*56 - 136*
Toluene-d8 (Surr)	*109*		*78 - 122*
Dibromofluoromethane (Surr)	*86*		*73 - 120*

Lab Sample ID: 240-215158-B-6 MSD
Matrix: Water
Analysis Batch: 636478

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichloroethene	1.0	U	20.0	14.2		ug/L		71	61 - 124	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*
4-Bromofluorobenzene (Surr)	*106*		*56 - 136*
Toluene-d8 (Surr)	*105*		*78 - 122*
Dibromofluoromethane (Surr)	*83*		*73 - 120*

Lab Sample ID: MB 240-636546/9
Matrix: Water
Analysis Batch: 636546

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/25/24 11:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/25/24 11:36	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 11:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/25/24 11:36	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 11:36	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/25/24 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*11/25/24 11:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*11/25/24 11:36*	*1*
Toluene-d8 (Surr)	*106*		*78 - 122*		*11/25/24 11:36*	*1*
Dibromofluoromethane (Surr)	*88*		*73 - 120*		*11/25/24 11:36*	*1*

Lab Sample ID: LCS 240-636546/5
Matrix: Water
Analysis Batch: 636546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.0	20.7		ug/L		104	63 - 134
cis-1,2-Dichloroethene	20.0	17.3		ug/L		87	77 - 123
Tetrachloroethene	20.0	22.4		ug/L		112	76 - 123
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	75 - 124

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636546/5
Matrix: Water
Analysis Batch: 636546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichloroethene			20.0	16.2		ug/L		81	70 - 122		
Vinyl chloride			20.0	15.2		ug/L		76	60 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*
4-Bromofluorobenzene (Surr)	*107*		*56 - 136*
Toluene-d8 (Surr)	*105*		*78 - 122*
Dibromofluoromethane (Surr)	*82*		*73 - 120*

Lab Sample ID: 240-215055-A-9 MS
Matrix: Water
Analysis Batch: 636546

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene	0.77	J	20.0	20.5		ug/L		98	56 - 135		
cis-1,2-Dichloroethene	16		20.0	31.9		ug/L		81	66 - 128		
Tetrachloroethene	1.0	U	20.0	21.7		ug/L		109	62 - 131		
trans-1,2-Dichloroethene	3.9		20.0	22.1		ug/L		91	56 - 136		
Trichloroethene	6.9		20.0	22.1		ug/L		76	61 - 124		
Vinyl chloride	0.82	J	20.0	15.2		ug/L		72	43 - 157		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*
Toluene-d8 (Surr)	*106*		*78 - 122*
Dibromofluoromethane (Surr)	*81*		*73 - 120*

Lab Sample ID: 240-215055-C-9 MSD
Matrix: Water
Analysis Batch: 636546

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	0.77	J	20.0	21.7		ug/L		104	56 - 135	6	26
cis-1,2-Dichloroethene	16		20.0	33.4		ug/L		89	66 - 128	5	14
Tetrachloroethene	1.0	U	20.0	22.4		ug/L		112	62 - 131	3	20
trans-1,2-Dichloroethene	3.9		20.0	23.4		ug/L		98	56 - 136	6	15
Trichloroethene	6.9		20.0	22.9		ug/L		80	61 - 124	4	15
Vinyl chloride	0.82	J	20.0	13.9		ug/L		66	43 - 157	9	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*
Toluene-d8 (Surr)	*107*		*78 - 122*
Dibromofluoromethane (Surr)	*86*		*73 - 120*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636372/8
Matrix: Water
Analysis Batch: 636372

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/22/24 12:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 127*		*11/22/24 12:58*	*1*

Lab Sample ID: LCS 240-636372/6
Matrix: Water
Analysis Batch: 636372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			10.0	8.70		ug/L		87	75 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 127*

Lab Sample ID: 240-215140-E-9 MS
Matrix: Water
Analysis Batch: 636372

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	270		30.0	288	4	ug/L		55	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 127*

Lab Sample ID: 240-215140-E-9 MSD
Matrix: Water
Analysis Batch: 636372

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	270		30.0	279	4	ug/L		26	20 - 180	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 127*

Lab Sample ID: MB 240-636431/6
Matrix: Water
Analysis Batch: 636431

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/23/24 00:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 127*		*11/23/24 00:18*	*1*

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636431/4
Matrix: Water
Analysis Batch: 636431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			10.0	8.13		ug/L		81	75 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 127*

Lab Sample ID: 240-215286-C-2 MS
Matrix: Water
Analysis Batch: 636431

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	2.0	U	10.0	10.1		ug/L		101	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 127*

Lab Sample ID: 240-215286-C-2 MSD
Matrix: Water
Analysis Batch: 636431

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	9.77		ug/L		98	20 - 180	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 127*

GC/MS VOA

Analysis Batch: 636372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215217-2	MW-58_111524	Total/NA	Water	8260D SIM	
MB 240-636372/8	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-636372/6	Lab Control Sample	Total/NA	Water	8260D SIM	
240-215140-E-9 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-215140-E-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 636431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215217-3	MW-46_111524	Total/NA	Water	8260D SIM	
240-215217-4	MW-70_111524	Total/NA	Water	8260D SIM	
240-215217-5	MW-45_111524	Total/NA	Water	8260D SIM	
MB 240-636431/6	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-636431/4	Lab Control Sample	Total/NA	Water	8260D SIM	
240-215286-C-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-215286-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

Analysis Batch: 636467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215217-1	TRIP BLANK_108	Total/NA	Water	8260D	
MB 240-636467/9	Method Blank	Total/NA	Water	8260D	
LCS 240-636467/5	Lab Control Sample	Total/NA	Water	8260D	
240-215158-B-1 MS	Matrix Spike	Total/NA	Water	8260D	
240-215158-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 636478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215217-2	MW-58_111524	Total/NA	Water	8260D	
MB 240-636478/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636478/3	Lab Control Sample	Total/NA	Water	8260D	
240-215158-B-6 MS	Matrix Spike	Total/NA	Water	8260D	
240-215158-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 636546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215217-3	MW-46_111524	Total/NA	Water	8260D	
240-215217-4	MW-70_111524	Total/NA	Water	8260D	
240-215217-5	MW-45_111524	Total/NA	Water	8260D	
MB 240-636546/9	Method Blank	Total/NA	Water	8260D	
LCS 240-636546/5	Lab Control Sample	Total/NA	Water	8260D	
240-215055-A-9 MS	Matrix Spike	Total/NA	Water	8260D	
240-215055-C-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Lab Chronicle

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Client Sample ID: TRIP BLANK_108

Lab Sample ID: 240-215217-1

Date Collected: 11/15/24 00:00

Matrix: Water

Date Received: 11/19/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636467	AJS	EET CLE	11/23/24 17:14

Client Sample ID: MW-58_111524

Lab Sample ID: 240-215217-2

Date Collected: 11/15/24 09:00

Matrix: Water

Date Received: 11/19/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636478	AJS	EET CLE	11/24/24 09:07
Total/NA	Analysis	8260D SIM		1	636372	R5XG	EET CLE	11/22/24 20:23

Client Sample ID: MW-46_111524

Lab Sample ID: 240-215217-3

Date Collected: 11/15/24 10:40

Matrix: Water

Date Received: 11/19/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636546	AJS	EET CLE	11/25/24 12:53
Total/NA	Analysis	8260D SIM		1	636431	R5XG	EET CLE	11/23/24 00:42

Client Sample ID: MW-70_111524

Lab Sample ID: 240-215217-4

Date Collected: 11/15/24 11:55

Matrix: Water

Date Received: 11/19/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	636546	AJS	EET CLE	11/25/24 13:19
Total/NA	Analysis	8260D SIM		1	636431	R5XG	EET CLE	11/23/24 01:05

Client Sample ID: MW-45_111524

Lab Sample ID: 240-215217-5

Date Collected: 11/15/24 13:10

Matrix: Water

Date Received: 11/19/24 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636546	AJS	EET CLE	11/25/24 13:44
Total/NA	Analysis	8260D SIM		1	636431	R5XG	EET CLE	11/23/24 01:29

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Arcadis US Inc.
Project/Site: Ford LTP

Job ID: 240-215217-1

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24

MICHIGAN 190

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico	COC No:
Company Name: Arcadis				
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-994-2240	Telephone: 248-994-2240	Telephone: 330-497-9396	1 of 1 COCs
City/State/Zip: Novi, MI, 48377	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	Analyses	For lab use only
Phone: 248-994-2240	Sampler Name: Garrett Link	TAT if different from below: 10 day; ☐ 3 weeks ☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client / Lab sampling
Project Name: Ford LTP	Method of Shipment/Carrier:			Job/SDG No:
Project Number: 30206169.0401.03	Shipping/Tracking No:			
PO # US3410018772				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM	Sample Specific Notes / Special Instructions:
TRIP BLANK_108	----	----		1						1					N	G	X	X	X	X	X	X		1 Trip Blank
MW-58_111524	11/15/24	900		6						6					N	G	X	X	X	X	X	X	X	3 VOAs for 8260D 3 VOAs for 8260D SIM
MW-46_111524	11/15/24	1040		6						6					N	G	X	X	X	X	X	X	X	
MW-78_111524	11/15/24	1155		6						6					N	G	X	X	X	X	X	X	X	
MW-45_111524	11/15/24	1310		6						6					N	G	X	X	X	X	X	X	X	

240-215217 COC

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☑ Disposal By Lab ☐ Archive For ☐ Months

Special Instructions/QC Requirements & Comments:

Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728
Level IV Reporting requested.

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Arcadis	11/15/24 1400	Novi Cold Storage	Arcadis	11/15/24 1400
[signature]	Arcadis	11/18/24 1250	[signature]	[illegible]	11/18/24 1250
[signature]	[illegible]	11/16/24 1300	Received in Laboratory by: [signature]	Eurofins	11/19/24 0830

Eurofins – Cleveland Sample Receipt Form/Narrative Login # _____
Barberton Facility

Client Arcadis Site Name _____ Cooler unpacked by: TF

Cooler Received on 11/19/24 Opened on 11/19/24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water (None)

1 Cooler temperature upon receipt ☑ See Multiple Cooler Form

IR GUN # 17 (CF +0.1 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	Yes No	(NA)
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC448976
14 Were VOAs on the COC?	(Yes)	No
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	(No) NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered	(Yes)	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

MW-46 1 vial labelled MW-50, logged per COC

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s). _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

Login # . ______________

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
EC Client Box Other	IR GUN #: 17	1.7	1.2	**Wet Ice** Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.6	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:			Wet Ice Blue Ice Dry Ice Water None

☐ See Temperature Excursion Form

WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

11/19/2024

Login Container Summary Report

240-215217

11/26/2024

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
TRIP BLANK_108	240-215217-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-58_111524	240-215217-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-58_111524	240-215217-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-58_111524	240-215217-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-58_111524	240-215217-D-2	Voa Vial 40ml - Hydrochloric Acid				
MW-58_111524	240-215217-E-2	Voa Vial 40ml - Hydrochloric Acid				
MW-58_111524	240-215217-G-2	Voa Vial 40ml - Hydrochloric Acid				
MW-46_111524	240-215217-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-46_111524	240-215217-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-46_111524	240-215217-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-46_111524	240-215217-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-46_111524	240-215217-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-46_111524	240-215217-F-3	Voa Vial 40ml - Hydrochloric Acid				
MW-70_111524	240-215217-A-4	Voa Vial 40ml - Hydrochloric Acid				
MW-70_111524	240-215217-B-4	Voa Vial 40ml - Hydrochloric Acid				
MW-70_111524	240-215217-C-4	Voa Vial 40ml - Hydrochloric Acid				
MW-70_111524	240-215217-D-4	Voa Vial 40ml - Hydrochloric Acid				
MW-70_111524	240-215217-E-4	Voa Vial 40ml - Hydrochloric Acid				
MW-70_111524	240-215217-F-4	Voa Vial 40ml - Hydrochloric Acid				
MW-45_111524	240-215217-A-5	Voa Vial 40ml - Hydrochloric Acid				
MW-45_111524	240-215217-B-5	Voa Vial 40ml - Hydrochloric Acid				
MW-45_111524	240-215217-C-5	Voa Vial 40ml - Hydrochloric Acid				
MW-45_111524	240-215217-D-5	Voa Vial 40ml - Hydrochloric Acid				
MW-45_111524	240-215217-E-5	Voa Vial 40ml - Hydrochloric Acid				
MW-45_111524	240-215217-F-5	Voa Vial 40ml - Hydrochloric Acid				

MICHIGAN
190

Chain of Custody Record

TestAmerica Laboratory location: Brighton — 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

Client Contact	Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other		
Company Name: Arcadis	Client Project Manager: Kris Hinskey	Site Contact: Christina Weaver	Lab Contact: Mike DelMonico
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-994-2240	Telephone: 248-994-2240	Telephone: 330-497-9396
City/State/Zip: Novi, MI, 48377	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	
Phone: 248-994-2240	Sampler Name: Garrett Link	TAT if different from below: ☐ 3 weeks ☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Name: Ford LTP	Method of Shipment/Carrier:	10 day	
Project Number: 30206169.0401.03	Shipping/Tracking No:		
PO # US3410018772			

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite=C / Grab=G	Analyses: 1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM		
TRIP BLANK_108	----	---		1						1					N	G	X	X	X	X	X	X			
MW-58_111524	11/15/24	900		6						6					N	G	X	X	X	X	X	X	X		
MW-46_111524	11/15/24	1040		6						6					N	G	X	X	X	X	X	X	X		
MW-70_111524	11/15/24	1155		6						6					N	G	X	X	X	X	X	X	X		
MW-45_111524	11/15/24	1310		6						6					N	G	X	X	X	X	X	X	X		

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☑ Disposal By Lab ☐ Archive For ___ Months

Special Instructions/QC Requirements & Comments:

Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728
Level IV Reporting requested.

Relinquished by:	Company:	Date/Time:	Received by:	Company:
	Arcadis	11/15/24 1400	Novi Cold Storage	Arcadis
	Arcadis	11/18/24 1250		
		11/18 1300	Received in Laboratory by:	

IR GUN # 17 (CF +0.1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	Yes	No (NA)
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No (NA) pH Strip Lot# HC448
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	(No) NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered	(Yes)	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

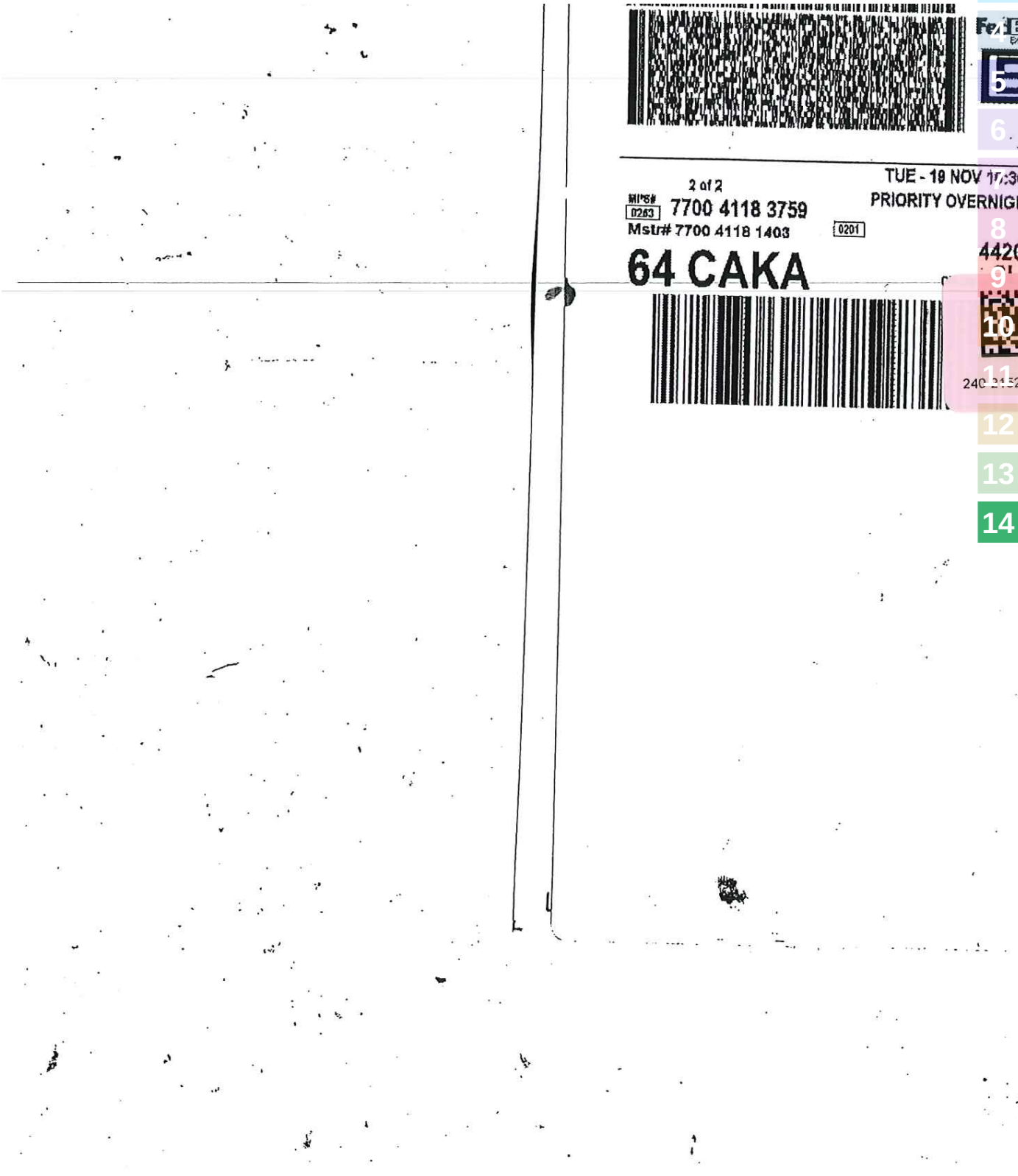
WI-NC-099-110524 Cooler Receipt Form.doc

EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Water
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None
EC Client Box Other	IR GUN #: ________			Wet Ice Blue Ice Water None

☐ See Temperature Excursion F

WI-NC-099 Cooler Receipt Form Page 2 – Multipl

MW-58_111524	240-215217-D-2	Voa Vial 40ml - Hydrochloric Acid			
MW-58_111524	240-215217-E-2	Voa Vial 40ml - Hydrochloric Acid			
MW-58_111524	240-215217-G-2	Voa Vial 40ml - Hydrochloric Acid			
MW-46_111524	240-215217-A-3	Voa Vial 40ml - Hydrochloric Acid			
MW-46_111524	240-215217-B-3	Voa Vial 40ml - Hydrochloric Acid			
MW-46_111524	240-215217-C-3	Voa Vial 40ml - Hydrochloric Acid			
MW-46_111524	240-215217-D-3	Voa Vial 40ml - Hydrochloric Acid			
MW-46_111524	240-215217-E-3	Voa Vial 40ml - Hydrochloric Acid			
MW-46_111524	240-215217-F-3	Voa Vial 40ml - Hydrochloric Acid			
MW-70_111524	240-215217-A-4	Voa Vial 40ml - Hydrochloric Acid			
MW-70_111524	240-215217-B-4	Voa Vial 40ml - Hydrochloric Acid			
MW-70_111524	240-215217-C-4	Voa Vial 40ml - Hydrochloric Acid			
MW-70_111524	240-215217-D-4	Voa Vial 40ml - Hydrochloric Acid			
MW-70_111524	240-215217-E-4	Voa Vial 40ml - Hydrochloric Acid			
MW-70_111524	240-215217-F-4	Voa Vial 40ml - Hydrochloric Acid			
MW-45_111524	240-215217-A-5	Voa Vial 40ml - Hydrochloric Acid			
MW-45_111524	240-215217-B-5	Voa Vial 40ml - Hydrochloric Acid			
MW-45_111524	240-215217-C-5	Voa Vial 40ml - Hydrochloric Acid			
MW-45_111524	240-215217-D-5	Voa Vial 40ml - Hydrochloric Acid			
MW-45_111524	240-215217-E-5	Voa Vial 40ml - Hydrochloric Acid			
MW-45_111524	240-215217-F-5	Voa Vial 40ml - Hydrochloric Acid			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UNITED STATES US

TO EUROFINS BARBERTON
EUROFINS BARBERTON
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396

REF:
INV:
PO:
DEPT:

FedEx Express

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240-215217 Wayb

Part # 159469-434 MTW EXP 03/25

DATA VERIFICATION REPORT

November 26, 2024

Megan Meckley
Arcadis
28550 Cabot Drive
Suite 500
Novi, MI US 48377

CADENA project ID: E203728
Project: Ford Livonia Transmission Plant - Soil Gas, Ground Water and Soil
Project number: 30206169.0401.04_WA-03
Event Specific Scope of Work References: Sample COC
Laboratory: Eurofins Environment Testing LLC - Cleveland
Laboratory submittal: 215217-1
Sample date: 2024-11-15
Report received by CADENA: 2024-11-26
Initial Data Verification completed by CADENA: 2024-11-26
Number of Samples:5
Sample Matrices:Water
Test Categories:GCMS VOC
Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.

The following minor QC exceptions or missing information were noted:

GCMS VOC QC batch CCV response outliers as noted in the laboratory submittal case narrative were not used to qualify client sample results as part of this level 2 data package verification review.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the CADENA Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

The definitions of the qualifiers used for this data package are defined in the analytical report. CADENA valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory analytical report access the CADENA CLMS at http://clms.cadenaco.com/index.cfm.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist

CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
J-	The result is an estimated quantity, but the result may be biased low.
JB	NON-DETECT AT THE CONCENTRATION REPORTED AND ESTIMATED
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
JUB	NON-DETECT AT THE REPORTING LIMIT AND ESTIMATED
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminates) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

Analytical Results Summary

CADENA Project ID: E203728
Laboratory: Eurofins Environment Testing LLC - Cleveland
Laboratory Submittal: 215217-1

	Sample Name:	TRIP BLANK_108				MW-58_111524				MW-46_111524				MW-70_111524				MW-45_111524			
	Lab Sample ID:	2402152171				2402152172				2402152173				2402152174				2402152175			
	Sample Date:	11/15/2024				11/15/2024				11/15/2024				11/15/2024				11/15/2024			
Analyte	Cas No.	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier	Result	Report Limit	Units	Valid Qualifier
GC/MS VOC																					
OSW-8260D																					
1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	10	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	ND	1.0	ug/l	---	1.1	1.0	ug/l	---	190	10	ug/l	---	15	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	10	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	10	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	10	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	28	1.0	ug/l	---	610	10	ug/l	---	54	1.0	ug/l	---
OSW-8260DSIM																					
1,4-Dioxane	123-91-1					3.3	2.0	ug/l	---	6.2	2.0	ug/l	---	6.5	2.0	ug/l	---	ND	2.0	ug/l	---